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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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| Complete if Known | | | | | |
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| Application Number | 10/820,430 | | | | |
| Filing Date | April 8, 2004 | | | | |
| First Named Inventor | Charli KRUSE | | | | |
| Group Art Unit | 1632 | | | | |
| Examiner Name | J. Hama | | | | |
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U.S. PATENT DOCUMENTS

| | 0.0.1 A1 E111 9 0 0 m E111 0 | | | | | | |
|--------------------|------------------------------|----------------------|-------------------------|---|---------------------------------|--|--|
| Examiner Initials* | Cile No. | U.S. Patent Document | | | Date of Publication | | |
| | | Number | Kind Code (if known) | Name of Patentee or Applicant of Cited Document | of Cited Document MM-DD-YYYY | | |
| JH | | 6,638,501 | B1 | BJORNSON et al. | 10-28-2003 | | |
| | | 2004/0101962 | A1 | KREMER et al. | 05-27-2004 | | |
| V | | 2004/0208857 | A1 | BADER et al. | 10-21-2004 | | |
| | | | | | | | |

FOREIGN PATENT DOCUMENTS

| Examiner Cite Initials* No. | Cite | | Foreign Patent Document | | Name of Control of the Audit of Control of C | Date of Publication | T. |
|-----------------------------|------|--------|-------------------------|-------------------------|--|---------------------------------|----------|
| | | Office | Number | Kind Code (If known) | | of Cited Document MM-DD-YYYY | <u>'</u> |
| JH | | wo | 02/057430 | A2 | SORIA ESCOMS et al. | 07-25-2002 | |
| 1 | | wo | 02/064748 | A2 | FURCHT et al. | 08-22-2002 | |
| | | DE | 100 61 334 | A1 | BADER et al. | 06-13-2002 | |
| 1/ | | DE - | 102 14 095 | C1 | KREMER et al. | 09-25-2003 | |
| ·W | | DE | 102 31 655 | A1 | KREMER et al. | . 02-26-2004 | |
| | | | | | |] | |

OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

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|----------|---|---|---|--|--|--|
| | | include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | т | | | |
| JH | | ABRAHAM et al., "Insulinotropic hormone glucagon-like peptide-1 differentiation of human pancreatic islet-derived progenitor cells into insulin-producing cells," <i>Endocrinology</i> , 2002; 143:3152-61. | | | | |
| | | APTE et al., "Periacinar stellate shaped cells in rat pancreas: identification, isolation, and culture," Gùt, 1998; 43:128-33. | | | | |
| | BACHEM et al., "Identification, culture, and characterization of pancreatic stellate ce rats and humans," <i>Gastroenterol</i> , 1998; 115:421-432. | | | | | |
| | BIRTH et al., "Isolation, Kultur und Charakterisierung von adulten pluripotenten Stammzellen aus dem Pankreas," Chirurgisches Forum, 2004, Band 33: 405-407. | | | | | |
| | BONNER-WEIR et al., "In vitro cultivation of human islets from expanded ductal tissue Proc Natl Acad Sci, 2000; 97:7999-8004. | | | | | |
| | Abstract of BOUWENS, "Transdifferentiation versus stem cell hypothesis for the regeneration of islet beta-cells in the pancreas," <i>Microsc Res Tech.</i> , 1998; 43(4):332-6. | | | | | |
| | BRAZELTON et al., "From marrow to brain: expression of neuronal phenotypes in adult mice," Science, 2000; 290:1775-9. | | | | | |
| | | Abstract of ELSÄSSER et al., "Repetitive cerulein-induced pancreatitis and pancreatic fibrosis in the rat," Pancreas, 1992;7:385-90. | | | | |
| V | Abstract of ELSÄSSER et al., "Time course and cellular source of pancreatic regenerati following acute pancreatitis in the rat," Pancreas, 1986; 1:421-9. | | | | | |
| EXAMINER | | DATE CONSIDERED . | | | | |

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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^{*}Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Approved for use through 10/31/2002. OMB 0651-0031 U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number Substitute for Form 1449A/PTO Complete if Known **Application Number** 10/820,430 INFORMATION DISCLOSURE Filing Date April 8, 2004 STATEMENT BY APPLICANT Charli KRUSE First Named Inventor (use as many sheet as necessary) **Group Art Unit** 1623 **Examiner Name** Attorney Docket B1180/20026 Number Sheet 3 of 4 **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication Examiner Cite of Cited Document Name of Patentee or Applicant of Cited Document Kind Code Number Initiats* MM-DD-YYYY No. (if known) **FOREIGN PATENT DOCUMENTS** Foreign Patent Documen Date of Publication Examiner Cite Name of Patentee or Applicant of Cited Document of Cited Document MM-DD-YYYY Number Kind Code Initials' (If known) OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. Initials' KRUSE et al., "Pluripotency of adult stem cells derived from human and rat pancreas," Appl. Phys. A (2004). 79; 1617-1624 JH KRUSE et al., "Evidence for a novel cytoplasmic tRNA-protein complex containing the KHmultidomain protein vigilin," Biochem J, 1996; 320:247-252. KRUSE et al., "Isolation, long-term culture, and characterization of rat pancreatic fibroblastoid/stellate cells," Pancreas, 2001; 23:49-54. LAGASSE et al., "Purified hematopoietic stem cells can differentiate into hepatocytes in vivo," Nature Med., 2000; 6:1229-1234. MEZEY et al., "Turning blood into brain: cells bearing neuronal antigens generated in vivo from bone marrow," Science, 2000; 290:1779-82. ORKIN et al., "Biomedicine: Stem-cell competition," Nature, (2002); 418: 25-27. PLENZ et al., "Expression of vigilin in chicken cartilage and bone," Cell Tissue Res, 1993; 273:381-389. POULSOM et al., "Adult stem cell plasticity," J Pathol, 2002; 197:441-56. Abstract of RAMIYA et al., "Reversal of insulin-dependent diabetes using islets generated in vitro from pancreatic stem cells," Nat Med, 2000; 6:278-82. ROMERO-RAMOS et al., "Neuronal differentiation of stem cells isolated from adult muscle," J Neurosci Res, 2002; 69:894-907. Abstract of SANCHEZ-RARNOS et al., "Adult bone marrow stromal cells differentiate into neurol cells in vitro," Exp Neurol, 2000; 164:247-56. Abstract of SAOTOME et al., "Morphological and immunocytochemical identification of periacinar fibroblast-like cells derived from human pancreatic acini," Pancreas, 1997;14:373-82. SCHNEIDER et al., "Identification of mediators stimulating proliferation and matrix synthesis of rat pancreatic stellate cells," Am J Physiol Cell Physiol, 2001; 281:532-543. SEKIYA et al., "In vitro cartilage formation by human adult stem cells from bone marrow stroma defines the sequence of cellular and molecular events during chondrogenesis," Proc Natl Acad Sci, 2002; 99:4397-402. **EXAMINER** DATE CONSIDERED

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Approved for use through 10/31/2002. OMB 0551-0031
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for Form 1449A/PTO Complete if Known 10/820,430 Application Number INFORMATION DISCLOSURE Filing Date April 8, 2004 STATEMENT BY APPLICANT First Named Inventor Charli KRUSE (use as many sheet as necessary) **Group Art Unit** 1623 **Examiner Name** Attorney Docket B1180/20026 Number Sheet 4 of 4 **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication Examine Cite Name of Patentee or Applicant of Cited Document Kind Code MM-DD-YYYY FOREIGN PATENT DOCUMENTS Foreign Patent Document Date of Publication Name of Patentee or Applicant of Cited Document of Cited Document Office Number Kind Code MM-DD-YYYY Initials* (If known) OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.). Examiner Initials* date, page(s), volume-issue number(s), publisher, city and/or country where published SHINJI et al., "Establishment of a novel collagenase perfusion method to isolate rat pancreatic stellate cells and investigation of their gene expression of TGF-beta1, type 1 JH collagen, and CTGF in primary culture or freshly isolated cells," Acta Med Okayama, 2002; 56:211-218. Abstract of SPARMANN et al., "Generation and characterization of immortalized rat pancreatic stellate cells," Am. J. Physiol. Gastrointest. Liver Physiol., 2004; 287(1):6211-9. Abstract of WOBUS et al., "Specific effects of nerve growth factor on the differentiation pattern of mouse embryonic stem cells in vitro," Biomed. Biochim. Acta, 1988; 47:965-973. WOODBURY et al., "Adult rat and human bone marrow stromal cells differentiate into neurons," J Neurosci Res, 2000; 61:364-70. YANG et al., "In vitro transdifferentiation of adult hepatic stem cells into pancreatic endocrine hormone-producing cells," Proc Natl Acad Sci, 2002; 99:8078-83. YATES et al., "Early shifts in gene expression during chondroinduction of human dermal fibroblasts," Exp Cell Res, 2001; 265:203-211. ZULEWSKI et al., "Multipotential nestin-positive stem cells isolated from adult pancreatic islets differentiate ex vivo into pancreatic endocrine, exocrine, and hepatic phenotypes." Diabetes, 2001; 50:521-33. **EXAMINER** DATE CONSIDERED 12/02/2006 /Joanne Hama/ *Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and

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